

U.S. Patent Application Serial No. **10/524,635**
Amendment filed May 8, 2007
Reply to OA dated February 14, 2007

REMARKS

Claims 1-6 are pending in this application. Claims 4 and 5 have been canceled herein without prejudice or disclaimer, and claims 1, 2, 3 and 6 have been amended. Upon entry of this amendment, claims 1, 2, 3 and 6 will be pending. The applicant respectfully submits that no new matter has been added. It is believed that this Amendment is fully responsive to the Office Action dated **February 14, 2007**.

Support for the amendments to the claims is as follows.

Claim 1 has been amended to incorporate the limitations of original claims 4 (regarding the content of the heat shielding filler) and 5 (regarding the fluorine type resin), and a portion of original claim 6. In addition, the amendment to recite that the heat shielding filler is **kneaded** in the base resin is supported by the description on page 13, line 22, to page 14, line 22, of the present specification.

Claim 6 has been amended to be independent, incorporating the limitations of claim 1, and to include the limitations of original claims 4 and 5. Claim 6 also recites that the heat shielding filler is **kneaded** in the base resin, supported by the description on page 13, line 22, to page 14, line 22, of the present specification.

Each of claims 2 and 3 has been amended to depend multiply from claim 1 or 6.

The lengthy specification has not been checked to the extent necessary to determine the presence of all minor errors. (Office action paragraph no. 1)

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Upon review of the specification, Applicant cannot find any significant errors.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 09-205898.

(Office action, paragraph no. 3)

Reconsideration of the rejection is respectfully requested in view of the amendments to the claims.

The Examiner cites the abstract of JP '898, which describes a sheet for agriculture that cuts off infrared rays, and therefore appears to be a heat shielding material. The Examiner cites the reference as being formed of a resin such as polyethylene terephthalate containing tin oxide superfine particles; thus the Examiner considers polyethylene terephthalate as the base resin. The Examiner cites paragraph [0012] as stating that the tin oxide particles can be doped with antimony.

JP 09-205898 discloses an agricultural sheet in which inorganic superfine particles composed chiefly of tin oxide have been dispersed in a polyethylene terephthalate resin.

However, claims 1 and 6 have been amended to recite "fluorine type resin" as the base resin for the heat shielding layer (see the specification on page 17, lines 4-10). Therefore, the heat shielding material of this invention can clearly be distinguished from the agricultural sheet taught by JP 09-205898 in which polyethylene terephthalate is used for the base resin.

Claims 1-3 and 6, as amended, are therefore not anticipated by JP 09-205898.

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Claims 1, 2 and 6 are rejected under 35 U.S.C. 102(e) as being anticipated by Fisher (U.S. 2002/0086926). (Office action, paragraph no. 4)

Reconsideration of the rejection is respectfully requested in view of the amendments to the claims.

Fisher generally discloses a polyvinylbutyral resin containing an IR absorbing effective amount of lanthanum hexaboride or a mixture of lanthanum hexaboride and tin oxide or antimony tin oxide. The polyvinylbutyral resin is therefore taken as the base resin.

Fisher (US 2002/0086926) describes a polyvinyl butyral sheet containing particles of lanthanum hexaboride.

However, the present claims have been amended to recite “fluorine type resin” as the base resin for the heat shielding layer. Therefore, the heat shielding material of this invention can clearly be distinguished from the sheet taught by Fisher in which polyvinyl butyral is used for the base resin.

The pending claims, as amended, are therefore not anticipated by Fisher (US 2002/0086926).

Claim 4 is rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Fisher (U.S. 2002/0086926). (Office action, paragraph no. 6)

The rejection is moot in view of the cancellation of claim 4 without prejudice or disclaimer. Applicant notes that the limitation of claim 4 has been incorporated into amended claims 1 and 6, as discussed above.

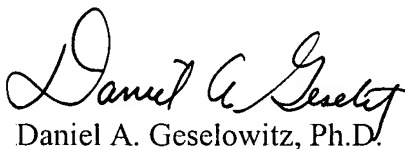
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If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact the Applicant's undersigned agent at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, the Applicant respectfully petitions for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

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